

10. SILICON PNP - HIGH POWER TRANSISTORS

IN ORDER OF (1) MIN. DERATING FACTOR
& (2) TYPE No.

LINE No.	TYPE No.	1 MIN. DERATE J to C (W/C)	MAX FREE AIR @ 25°C (W)	Pc	M T A E X P	ABSOLUTE MAX. RATINGS @ 25°C					MAX. @ 25°C		BIAS		MIN	MAX	fae (Hz)	MAX. SAT. RES. (Ω)	tr (s)	STRUC-TURE	DWG #	L C O A D E
						Ic (A)	Ib (A)	VBcbo (V)	VBvebo (V)	VBVceo (V)	Icbo # (A)	MAX Vcb (V)	Vcb (V)	Ic (A)								
1#	BD231	142m	12	0	+	1.5		100	5.0	80	100n	2.0	15m	40	160	50M	800m		PE	T0126	B	
2#	BDX16	142m	25	0	+	3.0	2.0	160	7.0	140	1.0m	4.0	500m	20	80	800k	2.0		HA	T066	C	
3#	HEPS5018-RT	142m	25	0	+	4.0		80	5.0	80	100u		500m	50	0	30M				T066	C	
4	MJ2253	142m	25	0	+	3.0	500m	70	7.0	60	1.0m	4.0	250	20	100	3.0M	800m			T066	C	
5	MJ2254	142m	25	0	+	3.0	500m	90	7.0	80	1.0m	4.0	250	20	100	3.0M	800m			T066	C	
6	MJ3701	142m	25	0	+	3.0	500m	50	5.0	40	1.0m	4.0	250	20	100	3.0M	800m			T066	C	
7	2N3740	143m	25	0	+	1.0		2.0	60	7.0	100n	1.0	250m	30	100	4.0M	800m	400n		T066	C	
8	JAN2N3740†	143m	25	0	+	4.0	2.0	60	7.0	60	100n	1.0	250m	30	100	5.0M	600m	400n		T066	C	
9	2N3740A	143m	25	0	+	1.0	2.0	60	7.0	60	100n	1.0	250m	30	100	4.0M	600m	400n		T066	C	
10	2N3741	143m	25	0	+	1.0	2.0	80	7.0	80	100n	1.0	250m	30	100	4.0M	600m	400n		T066	C	
11	JAN2N3741†	143m	25	0	+	4.0	2.0	80	7.0	80	100n	1.0	250m	30	100	5.0M	600m	400n		T066	C	
12	2N3741A	143m	25	0	+	1.0	2.0	80	7.0	80	100n	1.0	250m	30	100	4.0M	600m	400n		T066	C	
13	2N4898	143m	25	0	+	1.0	1.0	40	5.0	40	100u	1.0	500m	20	100	30k				T066	C	
14	2N4899	143m	25	0	+	1.0	1.0	60	5.0	60	100u	1.0	500m	20	100	30k				T066	C	
15	2N4900	143m	25	0	+	1.0	1.0	80	5.0	80	100u	1.0	500m	100	100	30k				T066	C	
16	2N5605	143m	25	0	+	5.0	2.0	80	5.5	60	1.0m	5.0	2.5	70	200	70M				T066	C	
17	2N5607	143m	25	0	+	5.0	2.0	100	5.5	80	1.0m	5.0	2.5	30	90	70M				T066	C	
18	2N5609	143m	25	0	+	5.0	2.0	100	5.5	80	1.0m	5.0	2.5	70	200	70M				T066	C	
19	2N5611	143m	25	0	+	5.0	2.0	120	5.5	100	1.0m	5.0	2.5	30	90	60M				T066	C	
20#	BD330	143m	15	*	+	3.0	3.0	5.0	5.0	20	10u	1.0	500m	85	375	100M	250m		PE	T0126	B	
21#	2N5333	150m	1.0		+	2.0	1.0	100	6.0	80	10u	4.0	1.0	30	120	30M				T05	A	
22#	2SA1008†	15	15		+	-2	-1	100	-7	100	-10u	-5	-1	40	200	*		50u	#	Y220a	X	
23	SPT6145	150m	10		+	2.0	500m	350	5.0	350	50u	1.0	100m	20	250	15M	400m		#	F8		
24	2N5676	160m	2.0		+	1.0	500m	125	6.0	100	100u	5.0	500m	50	150	50M				T066	C	
25#	2SA483	160m	20	0	+	1.0	1.0	150	5.0	150	100u	1.0	100m	30	250	9.0M			DM	T066	C	
26#	2SA755	160m	20	0	+	2.0	50	4.0	5.0	50	100u	4.0	1.0	35	320	50M	866m		DM	B17	C	
27#	2SA766	160m	20	0	+	1.2	150	5.0	150	50	30u	5.0	100m	30	150	50M			DM	T066	C	
28#	2SA843	160m	20	0	+	500m	200	5.0	150	150	50u	1.0	400m	60	200	20m	50		EM	B26	D	
29#	2SA1021	160m	20	0	+	1.5	150	6.0	150	150	1.0u	5.0	200m	60	320	60M			EM	B7	B	
30#	2SA1080	160m	20	0	+	500m	40	7.0	40	40	100n	5.0	10m	60	350	60M			PE	B44	D	
31#	2SA1111	160m	20	0	+	1.0	150	5.0	150	150	10u	1.0	150m	65	330	200M			PE	B26	D	
32#	2SA1112	160m	20	0	+	1.0	180	5.0	180	180	10u	1.0	150m	65	330	200M			PE	B26	D	
33#	2SB536	160m	20	0	+	1.5	140	5.0	120	120	1.0u	5.0	300m	40	250	40M	2.0		PE	Y220b	X	
34#	2SB537	160m	20	0	+	1.5	140	5.0	120	120	1.0u	5.0	300m	40	250	40M	2.0		PE	Y220a	AJ	
35#	2SB628	160m	20	0	+	1.5	160	5.0	160	160	1.0u	5.0	300m	40	200	40M	2.0		PE	Y220b	X	
36#	2SB837	160m	20	0	+	2.5	35	5	35	35	5	0.5	60	320								
37#	2SB840	160m	20	0	+	1.5	180	5	120	150	5	150m	60	320								
38#	2SB841	160m	20	0	+	1.5	180	5	160	150	5	150m	60	200								
39#	2SB855	160m	20	0	+	2	50	4	50	50	100u	4	1.0	35	200	35M				T0220	D	
40#	BD166	160m	20	0	+	1.5	500m	45	5.0	45	100u	2.0	150m	40		3.0M	1.0		†	T0126	B	
41	BD166	160m	20	0	+	1.5	500m	45	5.0	45	100u	2.0	150m	40		3.0M	1.0		†	B16f	B	
42#	BD168	160m	20	0	+	1.5	500m	60	5.0	60	100u	2.0	150m	40		3.0M	1.0		†	T0126	B	
43	BD168	160m	20	0	+	1.5	500m	60	5.0	60	100u	2.0	150m	40		3.0M	1.0		†	B16f	B	
44#	BD170	160m	20	0	+	1.5	500m	80	5.0	80	100u	2.0	150m	40		3.0M	1.0		†	T0126	B	
45	BD170	160m	20	0	+	1.5	500m	80	5.0	80	100u	2.0	150m	40		3.0M	1.0		†	B16f	B	
46	MJE350	160m	20	0	+	500m	3.0	300	300	300	100u	1.0	50m	30	240				†	B6	B	
47	MJE710	160m	1.2	0	+	1.5	500m	40	5.0	40	500u	1.0	150m	40		1.0				B16c	B	
48	MJE711	160m	1.2	0	+	1.5	500m	60	5.0	60	500u	1.0	150m	40		1.0				B16c	B	
49	MJE712	160m	1.2	0	+	1.5	500m	80	5.0	80	500u	1.0	150m	40		1.0				B16c	B	
50	PT2516	160m	20	0	+	5.0	2.0	40	8.0	30	100m	5.0	1.0	20	20	100M			PE	B15b	B	
51	PT2517	160m	20	0	+	5.0	2.0	55	8.0	45	100m	5.0	1.0	20	20	100M			PE	B15b	B	
52	PT2518	160m	20	0	+	5.0	2.0	70	8.0	60	100m	5.0	1.0	20	20	100M			PE	B15b	B	
53	PT2519	160m	20	0	+	5.0	2.0	90	8.0	80	100m	5.0	1.0	20	20	100M			PE	B15b	B	
54	SDT3701	160m	28	0	+	5.0	1.0	40	6.0	40	1.0m	1.5	1.0	25	180	60M			PL	T066	A	
55	SDT3702	160m	28	0	+	5.0	1.0	60	6.0	60	1.0m	1.5	1.0	25	180	60M			PL	T066	A	
56	SDT3703	160m	28	0	+	5.0	1.0	40	5.0	40	100u	2.0	1.0	20	80	10M			PL	T066	A	
57	SDT3704	160m	28	0	+	5.0	1.0	60	5.0	60	100u	2.0	1.0	20	80	10M			PL	T066	A	
58	SDT3705	160m	28	0	+	5.0	1.0	80	5.0	80	100u	2.0	1.0	20	80	10M			PL	T066	A	
59	SDT3706	160m	28	0	+	5.0	1.0	30	4.0	30	200u	2.0	1.0	20	60	60M			PL	T066	A	
60	SDT3707	160m	28	0	+	5.0	1.0	45	4.0	45	200u	2.0	1.0	20	60	60M			PL	T066	A	
61	SDT3708	160m	28	0	+	5.0	1.0	60	4.0	60	200u	2.0	1.0	20	60	60M			PL	T066	A	
62	SDT3709	160m	28	0	+	5.0	1.0	30	4.0	30	200u	2.0	1.0	50	180	60M			PL	T066	A	
63	SDT3710	160m	28	0	+	5.0	1.0	45	4.0	45	200u	2.0	1.0	50	180	60M			PL	T066	A	
64	SDT3711	160m	28	0	+	5.0	1.0															